Practice worksheet | Statistics and data analysis

Quartiles and five-number summaries

Name: _____ Date: _____

6 questions | 12 marks

1. Order 9, 4, 7, 2, 6, 8, 3, 5 and find their median. [2 marks]

2. Find Q_1 and Q_3 for 2, 3, 4, 5, 6, 7, 8, 9. [2 marks]

3. Give the five-number summary for 5, 7, 8, 10, 12, 13, 16. [2 marks]

4. Give the five-number summary for 1, 2, 2, 3, 3, 4, 5, 8. [2 marks]

5. A reported summary is 4, 12, 9, 18, 25. Explain the problem. [2 marks]

6. Software reports $Q_1 = 4.25$ where median-of-halves gives 4.5. What should you check before claiming an error? [2 marks]